



# **Hivemind 1525**

Technical Brief

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### PERFORMANCE

**Intel Xeon Processors:** Scalable performance provided by the latest available Intel Xeon processors supporting fast access to system memory with 800MHz front side bus and increased clock speeds designed to allow the processor to process more data in less time. Hyper-Threading helps provide improved performance for multithreaded applications through better use of processor resources. In simplified terms, Hyper-Threading enables the OS to view one physical processor as two logical processors, which helps improve response time because multiple tasks can be run simultaneously in certain application environments.

**Extended Memory 64-bit technology:** Intel EM64T provides 64-bit computing and large memory addressability while maintaining complete 32-bit compatibility and performance - all in one platform. The innovations in the Xeon processor based platforms and additional supporting technology advancements allow customers who purchase servers with these processors to install and run all of their existing 32-bit applications with excellent performance and to adopt 64-bit applications when their applications and operating systems have been certified to run in a 64-bit environment.

### STORAGE

**Hard Drive Capabilities:** Featuring support for up to 1.2 TB SATA or 900GB of SCSI hot-swap hard drives, RAID 0 and RAID 1 support for data redundancy, Memory Mirroring and redundant Network Interface Controllers to keep your systems running while protecting your data. Additionally, support for SATA and/or SCSI hard drives provides flexible, scalable availability.

### APPLICATION SUPPORT

Database applications, edge of network and Internet infrastructure applications (web servers, firewall, workload balancing, domain controllers, Domain Name System (DNS) servers, Dynamic Host Configuration Protocol (DHCP) servers), messaging and file/print applications. Additionally, it is an excellent platform for thin client/server based computing (e.g., Citrix®) and SAN compute node.

### EXPANDABILITY

**Memory:** Scalable memory allows customers to increase server memory as their application demands increase. Many database and messaging applications will benefit from increased memory scalability and fast access to memory data with support for up to 12 GB of ECC DDR 2 Memory.

**PCI X Slots:** With one low-profile open PCI-X 66-bit/100 MHz slots and one Super Slot for PCI-X riser card (1 66-bit/100 MHz slots) or PCI-Express riser card (1 x8 PCI Express slots) the Hivemind 1520 supports a wide range of workloads in any data center.

<b>PROCESSOR</b>	Up to two Intel® Xeon™ Processors with EM64T
<b>SYSTEM BUS</b>	800MHz
<b>MEMORY</b>	Six DIMM sockets supporting up to 12GB* ECC DDR-2 400 Memory
<b>CHIPSET</b>	Intel E7520
<b>DRIVE BAYS</b>	Up to three hot-swap SCSI or SATA hard drives and one bay for slim-line floppy, CD-ROM, or CD-RW/DVD combo drive. Floppy can also be placed in one hard drive bay. Max storage is 1.2TB SATA or 900GB SCSI.
<b>HARD DRIVE CONTROLLER</b>	Integrated dual channel SATA and U320 SCSI RAID controllers supporting RAID 0 and 1 Integrated ATI Rage XL 8MB SVGA PCI video controller
<b>GRAPHICS</b>	Integrated ATI Rage XL video controller with 8MB of video memory
<b>NETWORK INTERFACE</b>	Integrated Dual Intel Gigabit Ethernet
<b>BUILT-IN I/O</b>	2 NIC, 1 SCSI, 1 SVGA, 3 USB (1 front; 2 back), 2 PS/2
<b>EXPANSION SLOTS</b>	One low-profile PCI-X 66-bit/100 MHz slot and one Super Slot for PCI-X riser card - (1 66-bit/100 MHz slot) or PCI-Express riser card (1 x8 PCI Express slot)
<b>POWER SUPPLY</b>	One fixed 500W power supply
<b>FANS</b>	Supports total of 7: Five system fans, Two power supply fans
<b>SERVER MANAGEMENT SOFTWARE</b>	Alienware Server Management Software
<b>SYSTEM DIMENSIONS</b>	1.7"(H) x 16.9"(W) x 26.5"(D)
<b>ACOUSTIC EMISSIONS</b>	Sound level: <55 dBA (rackmount) in an Idle State
<b>RELATIVE HUMIDITY (NON-OPERATING)</b>	90% @+30 degrees C Non-Condensing
<b>AMBIENT TEMPERATURE</b>	Operating (system): +10 degrees C to +35 degrees C - Non-operating (system): -40 degrees C to +70 degrees C
<b>ELECTROSTATIC DISCHARGE</b>	+/- 15k V per Intel test specification
<b>ELECTROMAGNETIC CAPABILITY CERTIFICATIONS</b>	FCC Part 15, Class A (US) ICES-003, Class A (Canada)
<b>SHOCK</b>	Unpackaged: Trapezoidal 50g, 170 inches/sec
<b>VIBRATION</b>	Unpackaged: 5Hz to 500Hz 3.13g RMS random
<b>AVERAGE SHIPPING WEIGHT</b>	Approximately 50lbs
<b>SAFETY CERTIFICATIONS</b>	UL60950-CSA 60950 (UL and cUL) (US/Canada)
<b>SYSTEM SECURITY</b>	A mechanical lock on the optional front bezel and an intrusion switch that can be monitored by Alienware Server Management Software
<b>STANDARD WARRANTY AND SERVICE OFFERINGS</b>	3-Year Limited Parts Warranty & Technical Support Policy; 3-Year Next Business Day On-site Service; 3 Network Operating System (NOS) Resolutions

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